ELSEVIER

Journal of Quantitative Spectroscopy & Radiative Transfer 88 (2004) 1–2

Journal of Quantitative Spectroscopy & Radiative Transfer

www.elsevier.com/locate/jqsrt

Preface

Photopolarimetry in remote sensing

The NATO Advanced Study Institute (ASI) on "Photopolarimetry in Remote Sensing" was held on the outskirts of the city of Yalta, Ukraine, 20 September–3 October 2003. The meeting focused on recent advances in polarimetric methodologies used in remote sensing and optical characterization, including, but not limited to, remote sensing of the Earth and other Solar System objects, astrophysical applications, medical diagnostics, and environmental and military monitoring. The picturesque location, perfect weather, warm waters of the Black Sea, matchless Crimean wine, and the great enthusiasm of both the hosts and the participants all contributed to an extremely successful meeting. Following the ASI, some participants attended an accompanying workshop on "Remote Sensing Techniques and Instrumentation: International Cooperation" held in Kyiv, 4–10 October.

The ASI included invited key lectures, oral overview presentations, and poster sessions, whose contributions were compiled in a book of abstracts [1]. In addition, a compilation of archival contributions taken primarily from the key ASI lectures formed an edited volume published as part of the NATO Science

Participants of NATO ASI pose for a group photo in front of Sanatorium Druzhba.

0022-4073/$ - see front matter
doi:10.1016/j.jqsrt.2004.05.001

Series [2]. To make the other research results reported at both the ASI and the Kyiv workshop broadly available, high quality full-size papers were solicited for a feature journal issue. All papers submitted in response to this solicitation have been subject to peer review and have been treated with the same scientific scrutiny as any manuscripts submitted to JQSRT. The papers that were ultimately accepted have formed this special issue. We hope that the readers will find this collection of papers both interesting and useful in their own research.

We commend the authors for their efforts in preparing the fine papers included in this issue and the reviewers listed below for generously providing their time and expertise, often on a very short notice. We thank Professor Prasad Varanasi, the Editor of JQSRT, for making this special issue possible. Primary support for the NATO ASI was provided by the NATO Science Committee. Additional funding was provided by the Office of Naval Research International Field Office. Some travel fellowships were provided by the US National Science Foundation and The Scientific and Technical Research Council of Turkey. Additional support was provided by the US Army Research Laboratory. Support for the Workshop on Remote Sensing Techniques and Instrumentation was provided by the European Research Office of the US Army and the Science of Technology Center of Ukraine.

Reviewers

Liudmila Astafyeva
Anthony J. Baran
Alexandra G. Bezrukova
Piero Bruscaglioni
Ludmila I. Chaikovskaya
Karine Chamaillard
Shane R. Cloude
Harald Czekala
Zhanna M. Dlugach
Oleg Dubovik
Anatoliy Goncharenko
Keith Hopcraft
Vladimir Il'in
Eric Jakeman
Michael Kahnert
Nikolai Khlebtsov
Ludmilla Kolokolova
Miroslav Kocifaj
Valery Loiko
Alexander Morozhenko
Olga Muñoz
Georgij Panasyuk
Oleg V. Postylyakov
Alexandr E. Rosenbush
Vera K. Rosenbush
Sergey N. Savenkov
Joe Shaw
Dmitry Shestopalov
Leonid M. Shulman
Alexander Smirnov
Wenbo Sun
Victor P. Tishkovets
Vadim Tsymbal
Oleg S. Ugolnikov
Ben Veihelmann
Tõnu Viik
Rosario Vilaplana

References

[1] Videen G, Yatskiv Ya, Vid'machenko A, Rosenbush V, Mishchenko M (editors). Abstracts NATO Advanced Study Institute on Photopolarimetry in remote sensing and workshop. Adelphi, MD: Army Research Laboratory; 2003.
[2] Videen G, Yatskiv Ya, Mishchenko M (editors). Photopolarimetry in remote sensing. Dordrecht, The Netherlands: Kluwer; 2004.

Gorden Videen
Army Research Laboratory, Maryland, USA
E-mail address: gvideen@arl.army.mil
Yaroslav S. Yatskiv
Main Astronomical Observatory of the National Academy of Sciences of Ukraine, Kyiv, Ukraine
Michael I. Mishchenko
NASA Goddard Institute for Space Studies, New York, USA